ELSEVIER

Molecular Cell Research

Vol. 1355, 1997

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

Information for Contributors vii

Rapid report

RAB GTPases expressed in human melanoma cells
D. Chen, J. Guo and W.A. Gahl (USA) 1

Regular papers

Improved oligonucleotide uptake and stability by a new drug carrier, the SupraMolecular BioVector (SMBV)
M. Berton, S. Sixou, R. Kravtzoff, C. Dartigues, L. Imbertie, C. Allal and G. Favre (France) 7

Differential expression of membrane-anchored proteoglycans in rabbit articular chondrocytes cultured in monolayers and in alginate beads. Effect of transforming growth factor-β1
F. Rédini, W. Min, M. Demoor-Fossard, M. Boittin and J.-P. Pujol (France) 20

Conductive Na^+ transport in fetal lung alveolar apical membrane vesicles is regulated by fatty acids and G proteins
G.K. Fyfe, P.J. Kemp and R.E. Olver (UK) 33

Modulation of cytokine production by human mononuclear cells following impairment of Na,K-ATPase activity
A.D. Foey, A. Crawford and N.D. Hall (UK) 43

Re-investigation of glucose metabolism in *Fibrobacter succinogenes*, using NMR spectroscopy and enzymatic assays. Evidence for pentose phosphates phosphoketolase and pyruvate formate lyase activities
C. Matheron, A.-M. Delort, G. Gaudet and E. Forano (France) 50

Caffeine decreases intracellular free Mg^{2+} in isolated adult rat ventricular myocytes
H.-y. Li and G.A. Quamme (Canada) 61

Subsection Signal Transduction

Regular papers

Studies on ether-phospholipids of vascular smooth muscle cells. Identification of a rapid Ca^{2+}-dependent hydrolysis of alkyl-phosphatidylethanolamine promoted by endothelin-1
C. Comminges, V. Georgeaud, E. Maury, C. Cariven, M.-C. Prévost and H. Chap (France) 69

Effects of U73122 and U73343 on human platelet calcium signalling and protein tyrosine phosphorylation
J.W.M. Heemskerk, R.W. Farndale and S.O. Sage (The Netherlands, UK) 81

Ca^{2+} release and Ca^{2+} influx in Chinese hamster ovary cells expressing the cloned mouse B_2 bradykinin receptor: tyrosine kinase inhibitor-sensitive and -insensitive processes
M. Taketo, S. Yokoyama, Y. Kimura and H. Higashida (Japan) 89

Information for Contributors vii

Rapid reports

Oocyte and zygote ketoaldehyde utilisation
M. Legge (New Zealand) 99

Manganese-dependent Dopa/tyrosine sulfation in HepG2 human hepatoma cells: novel Dopa/tyrosine sulfotransferase activities associated with the human monoamine-form phenol sulfotransferase
Y. Sakakibara, J. Katafuchi, Y. Takami, T. Nakayama, M. Suiko, H. Nakajima and M.-C. Liu (USA, Japan) 102

Regular papers

The C-terminus of glycosylphosphatidylinositol-specific phospholipase D is essential for biological activity

B. Stadelmann, P. Bütikofer, A. König and U. Brodbeck (Switzerland) 107

Inhibition of NADH oxidase activity and growth of HeLa cells by the antitumor sulfonylurea, *N*-(4-methylphenylsulfonyl)-*N'*-(4-chlorophenyl)urea (LY181984) and response to epidermal growth factor
D.J. Morré, L.-Y. Wu and D.M. Morré (USA) 114

Leukemia inhibitory factor induces the 85-kDa cytosolic phospholipase A_2 gene expression in cultured human bronchial epithelial cells
T. Ikezono, T. Wu, X.-L. Yao, S. Levine, C. Logun, C.W. Angus and J.H. Shelhamer (USA) 121

A possible dual physiological role of extracellular ATP in the modulation of platelet aggregation
G. Soslau and D. Youngprapakorn (USA) 131

8-Bromo-cAMP induces a proliferative response in an IL-3 dependent leukemic cell line and activates Erk1,2 via a Shc-independent pathway
R.M.Y. Barge, J.H.F. Falkenburg, R. Willemze and J.A. Maassen (The Netherlands) 141

The main neutral aminopeptidase activity of human lymphoid tumour cell lines does not originate from the aminopeptidase N-(APN; CD13) gene
T. Wex, U. Lendeckel, T. Kähne, A. Ittenson, K. Frank and S. Ansorge (Germany) 147

Subsection Signal Transduction

Regular papers

Protein tyrosine kinase, mitogen-activated protein kinase and protein kinase C are involved in the mitogenic signaling of platelet-activating factor (PAF) in HEC-1A cells
L. Bonaccorsi, M. Luconi, M. Maggi, M. Muratori, G. Forti, M. Serio and E. Baldi (Italy) 155

Insulin and insulin-like growth factor-I responsiveness and signalling mechanisms in C_2C_{12} satellite cells: effect of differentiation and fusion
R.M. Palmer, M.G. Thompson, R.M. Knott, G.P. Campbell, A. Thom and K.S. Morrison (UK) 167

Identification of the major sites of autophosphorylation of the murine protein-tyrosine kinase Syk
M.T. Furlong, A.M. Mahrenholz, K.-H. Kim, C.L. Ashendel, M.L. Harrison and R.L. Geahlen (USA) 177

Potassium conductances and proliferation in conditionally immortalized renal glomerular mesangial cells from the *H-2K*^{b}-tsA58 transgenic mouse
R.D. Barber, A.S. Woolf and R.M. Henderson (UK) 191

Information for Contributors *vii*

Short sequence-paper

Molecular cloning and sequence analysis of the cDNA for the mouse counterpart to adult hamster liver purified growth inhibitory factor
C. Hashimoto, H. Masuda, M. Ayaki, Y. Suzuki, A. Uenaka, T. Seya, J. Miyoshi, K. Takahashi and Y. Inui (Japan) 205

Review

TGN38 and its orthologues: roles in post-TGN vesicle formation and maintenance of TGN morphology
G. Banting and S. Ponnambalam (UK) 209

Regular papers

Inhibition of tyrosine kinase activity decreases expression of surfactant protein A in a human lung adenocarcinoma cell line independent of epidermal growth factor receptor
J.M. Klein and T.A. McCarthy (USA) 218

Nickel is a specific antagonist for the catabolism of activated α_2-macroglobulin
R.K. Kancha and M.M. Hussain (USA) 231

Calcium spirulan as an inducer of tissue-type plasminogen activator in human fetal lung fibroblasts
Y. Hayakawa, T. Hayashi, K. Hayashi, T. Ozawa, K. Niiya and N. Sakuragawa (Japan) 241

Reduction of histone cytotoxicity by the Alzheimer β-amyloid peptide precursor
J.R. Currie, M.-C. Chen-Hwang, R. Denman, M. Smedman, A. Potempska, N. Ramakrishna, R. Rubenstein, H.M. Wisniewski and D.L. Miller (USA) 248

Selenium: potent stimulator of tyrosyl phosphorylation and activator of MAP kinase
S.R. Stapleton, G.L. Garlock, L. Foellmi-Adams and R.F. Kletzien (USA) 259

Phospholipase A_2 has a role in proliferation but not in differentiation of HL-60 cells
Y. Liu and R. Levy (Israel) 270

Identification of novel human tumor cell-specific CaMK-II variants
R.M. Tombes and G.W. Krystal (USA) 281

Uptake and intracellular stability of glycosylphosphatidylinositol-specific phospholipase D in neuroblastoma cells
T. Hari, P. Bütikofer, U.N. Wiesmann and U. Brodbeck (Switzerland) 293

Characterization of a cartilage-derived 66-kDa protein (RGD-CAP/βig-h3) that binds to collagen
K. Hashimoto, M. Noshiro, S. Ohno, T. Kawamoto, H. Satakeda, Y. Akagawa, K. Nakashima, A. Okimura, H. Ishida, T. Okamoto, H. Pan, M. Shen, W. Yan and Y. Kato (Japan) 303

Subsection Signal Transduction

Regular papers

Half-life of interleukin-1β-induced group II phospholipase A_2 in rat mesangial cells
M.J.B.M. Vervoordeldonk, G.S.A.T. Van Rossum, R.M. Sanchez, F.W. Neys and H. Van den Bosch (The Netherlands) 315

Myosin light chain kinase phosphorylation in nitrovasodilator induced swine carotid artery relaxation
D.A. Van Riper, N.L. McDaniel and C.M. Rembold (USA) 323

Suppression of the voltage-gated K^+ current of human megakaryocytes by thrombin and prostacyclin
L. Kapural and A. Fein (USA) 331

Phosphotyrosine phosphatase activity in the macrophage is enhanced by lipopolysaccharide, tumor necrosis factor α, and granulocyte/macrophage-colony stimulating factor: correlation with priming of the respiratory burst
S. Bassal, Y.S. Liu, R.J.S. Thomas and W.A. Phillips (Australia) 343

Redox regulation of the mitogen-activated protein kinase pathway during lymphocyte activation
S.D. Goldstone and N.H. Hunt (Australia) 353

Cumulative Contents, Vol. 1355 361

Author Index 364